6G FLAGSHIP
UNIVERSITY OF OULU

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Sovereignty in the Service of Resilience

Prof. Hirley Alves, University of Oulu

18.11.2026

A PROPOSITION FOR DISCUSSION

Sovereignty is a milestone on the road to resilience

What digital sovereignty asks for

Control over systems, data, operations and AI, **and the ability to prove it** to a regulator, a board or a court



Operational

Who runs the environment: governance and a customer-operated control plane



Data

Data at rest, in use and in motion; keys, logs and audit evidence in your hands



Technology

Open, modular stack that can be changed or left without major disruption



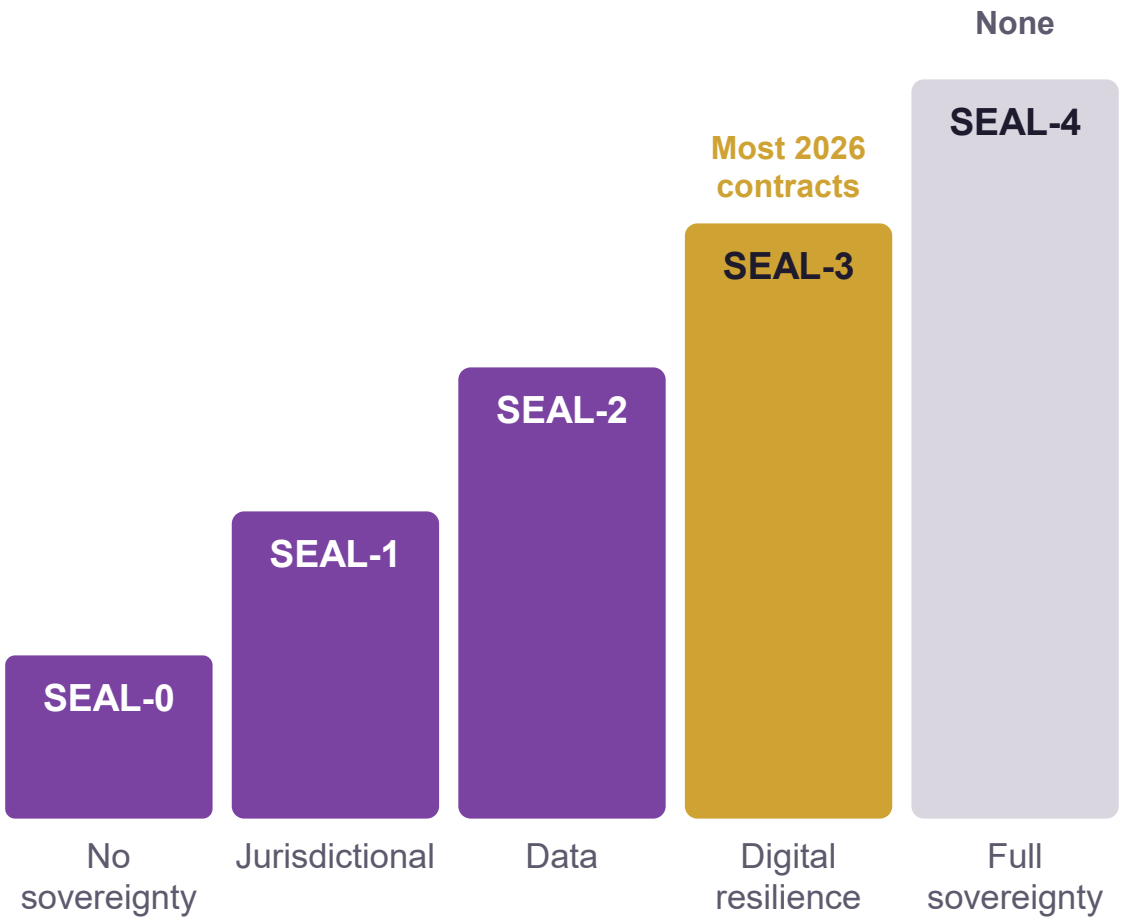
AI

Where models run and how inference is governed, across all three

Data residency is no longer enough: what counts is enforceable authority over data, wherever it sits.

Where the sovereignty frame runs out

EU Cloud Sovereignty Framework (2025)



A proposal: treat resilience as the objective

Sovereignty is a matter of state

Organisations can secure autonomy and, above all, build resilience

More control can hinder resilience

One domestic provider recreates the single point of failure

Sovereignty tests are resilience tests

A component swappable within a day raises no sovereignty concern

Resilience as the objective

Reliability

Works under expected conditions

Robustness

Withstands anticipated disturbances

Resilience

Absorbs, recovers and adapts to the unforeseen, attacks included

Source: 6G Resilience White Paper, 6G Flagship (2025)

European policy now uses the same terms

Oct 2024

Niinistö report

Civil and military preparedness

Mar 2025

Preparedness Union Strategy

All-hazards, whole-of-society; preparedness by design

Sep 2025

Resilience 2.0

Strategic Foresight Report: adapt and thrive, resilient EU by 2040

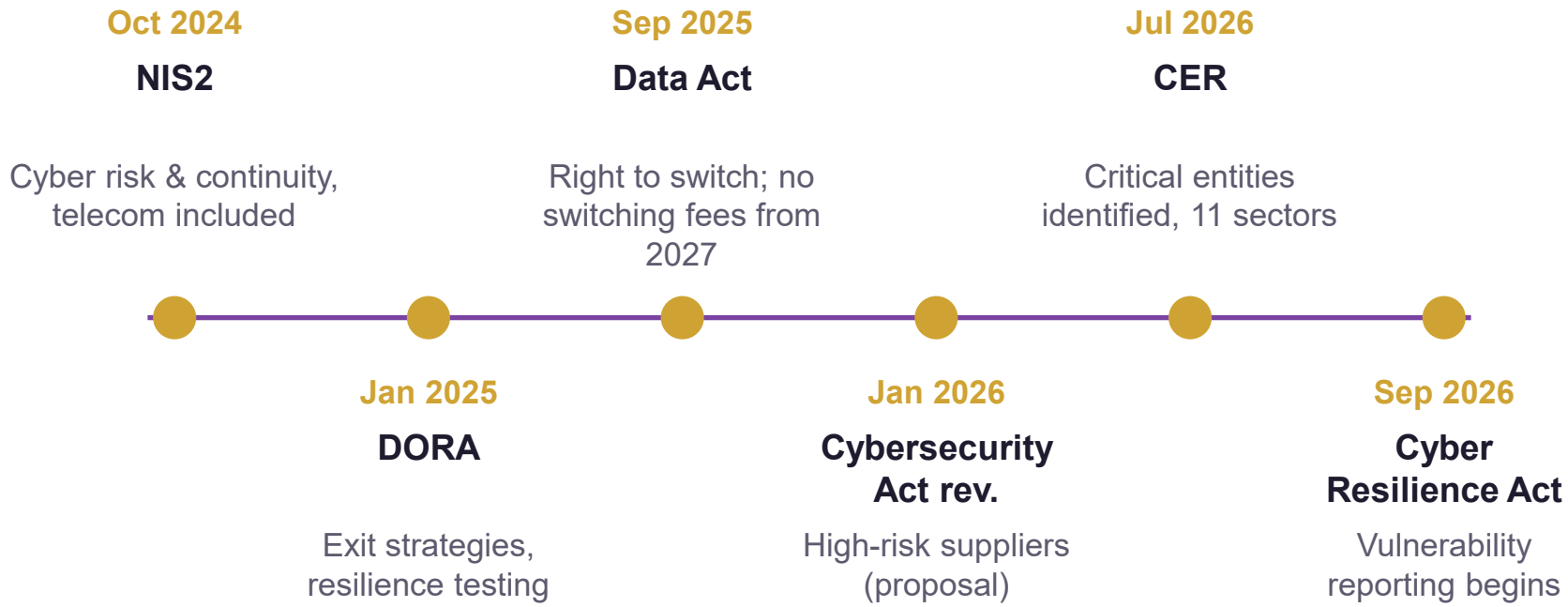
EU law already asks for resilience

3

acts named for resilience (DORA, CER, CRA)

0

digital sovereignty acts



Each act asks for evidence that services continue, recover and can move. None asks organisations to own everything they depend on.

From sovereignty to resilience in practice

01

Dependencies

Map the hidden ones: DNS, certificates, identity, timing

02

Priorities

Define the minimum viable organisation and its impact tolerances

03

Portability

Target times to relocate, open interfaces, exit clauses

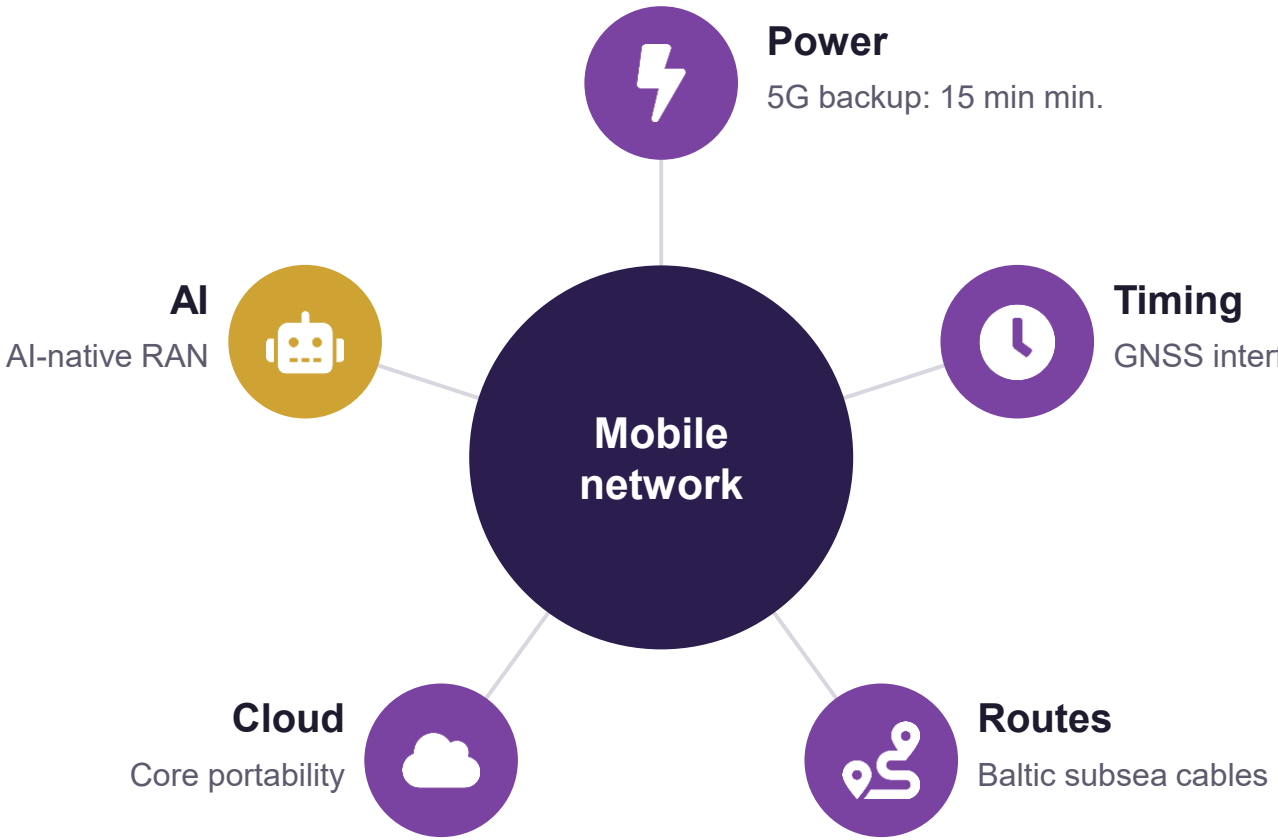
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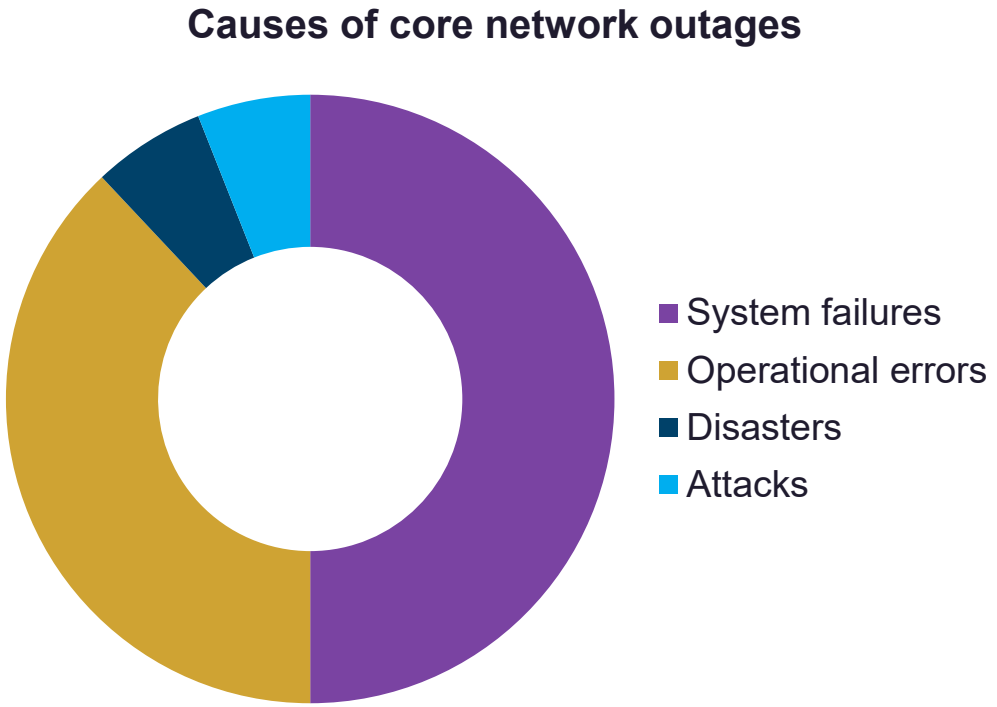
Rehearsal

Routine moves, restores and fallbacks that strengthen the architecture

The cost is real. Accepting hyperscaler risk is reasonable when a tested exit and proven recoverability are in place.

Mobile networks: where the argument is tested





Operator data from China Mobile, shared within 3GPP

Most outages are self-inflicted: rehearsal is the remedy

CLOSING REFLECTION

Resilience is the destination; sovereignty is one milestone on the road



Thank you!



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